

# START

DON'T SAY IT--*Write It!*

Date: June 25, 1991

To: Mike DeMonia *Red*

From: Ray Gerk

Subject: ALE Underground Storage Tanks

The purpose of this exercise is to verify, by field examination, whether or not two underground fuel oil storage tanks at ALE exist. The two tanks that we are looking for are located adjacent to the 6652-G & I Buildings and are shown on the attached Site Plan, drawing H-6-531 (sh. 2) and AEC drawing 30-09-03 (partial plan). The tanks were used during the Army days to fuel boilers for the respective buildings and may have been removed, but the vent pipes are still there.

I think this would be a good application for KEH's subsurface interface radar (SIR). Please coordinate with KEH to have the tank locations checked. The tanks may be buried deeper than expected because of the storm drain work that was done at the ALE site several years ago by Vic Epperly. Also, it is possible that the fuel oil supply, return and vent piping was abandoned in place, which may affect the SIR readings. If a tank or any piping is located, please have KEH document their location relative to the respective building because they may have to be removed to comply with EPA regulations. Please contact Jim Sloat for a work package number for this work.

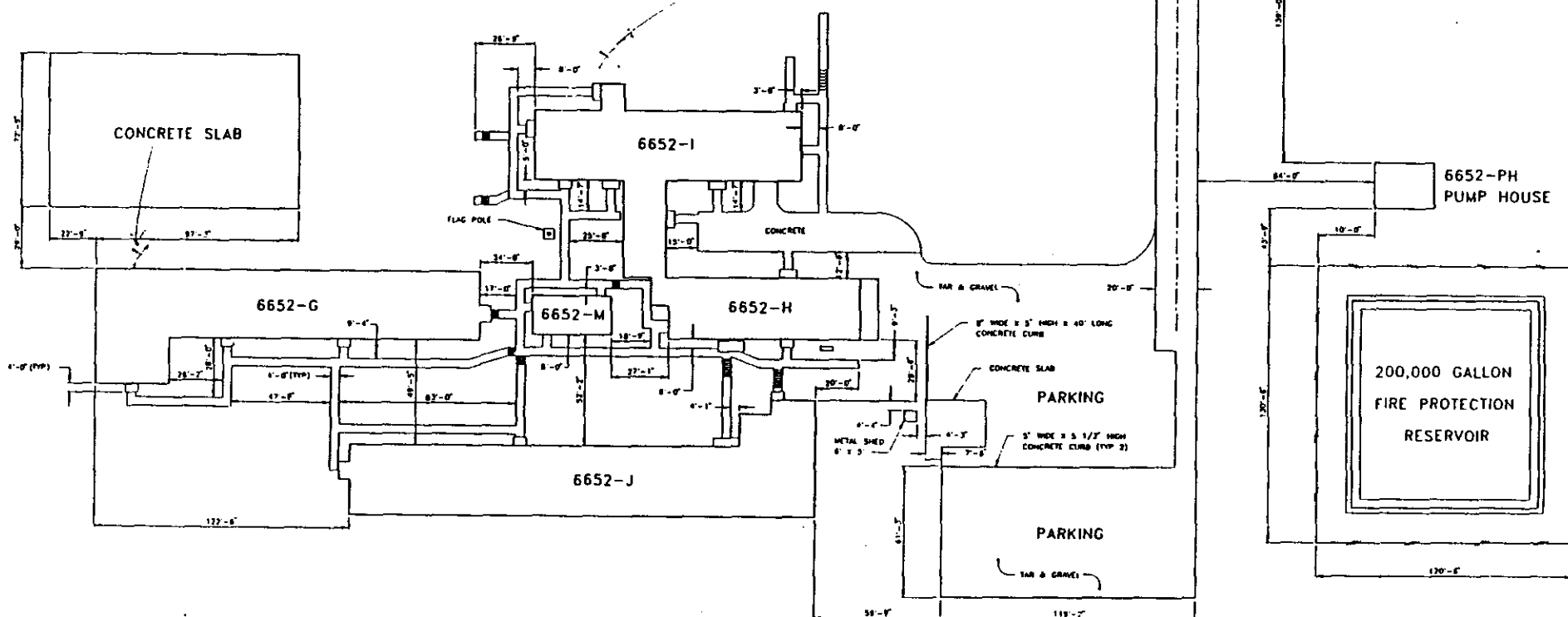


9 3 1 2 9 3 5 1 2 3 6

NOTE: X MARKS POSSIBLE LOCATION OF UNDERGROUND STORAGE TANKS

SEE REF. 101  
NO. H-6-521

SEE REF. 101  
NO. 30-29-03



SITE PLAN

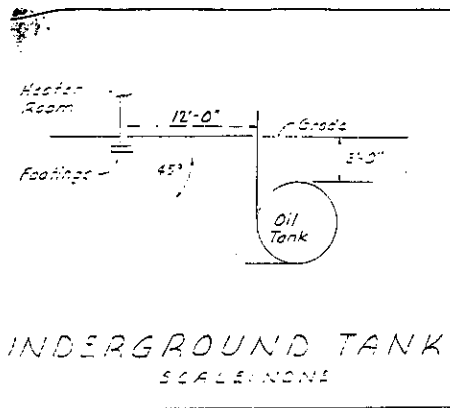
DRAWER #14

6652-0	0	1100	DRN
6652-1	2	3000	
6652-2	2	DRN	
6652-3	0	DRN	
6652-4	0	DRN	
6652-5	0	DRN	
6652-6	0	DRN	
6652-7	0	DRN	
6652-8	0	DRN	
6652-9	0	DRN	
6652-10	0	DRN	
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6652-0	0	1100	DRN
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6652-99	0	DRN	
6652-100	0	DRN	

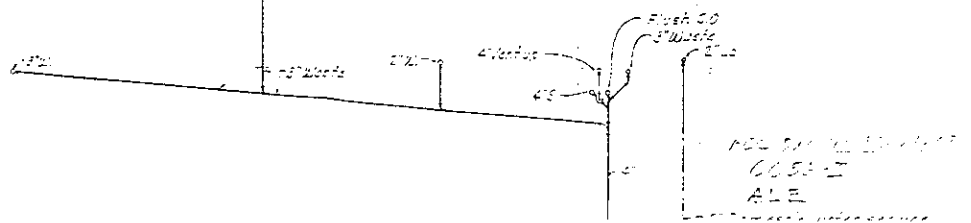
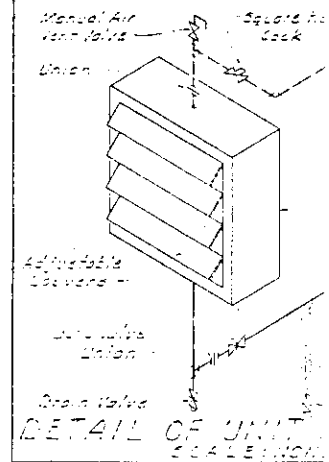
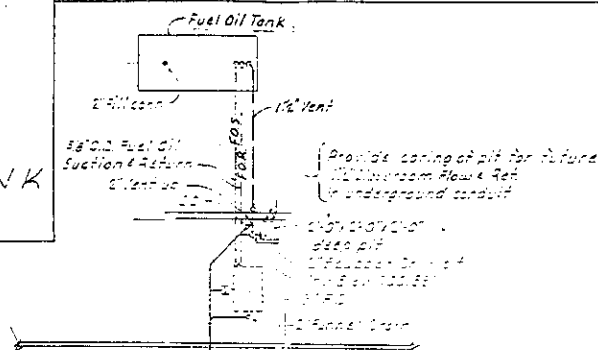
U. S. DEPARTMENT OF ENERGY	
PACIFIC NORTHWEST LABORATORY	
SITE PLAN	
H-6-635	

9 5 1 2 9 3 5 1 2 3 7



SITE E-CT-H

FLOOR SCALE 1/4"



524 South Auburn Street • P.O. Box 6270 • Kennewick, Washington 99336 • (509) 582-2175 • Fax (509) 586-1710

February 11, 1993

**CORPS OF ENGINEERS**

Attn: Dee W. Lloyd

Environmental Protection Specialist

Walla Walla, WA 99362

Re: PCB INQUIRY HANFORD 1100-IU-1 SITE -      ORIGINALLY TRANSMITTED BY FAX

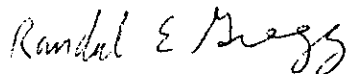
Dear Mr. Lloyd:

Following is the information you requested in your Feb. 1st FAX regarding the transformers at the above location. The attached copy of the lab test reports show the parts per million as indicated below.

<u>TRANSFORMER #</u>	<u>Parts Per Million-PCB</u>	<u>TEST #</u>	<u>INSTALL DATE</u>
1373	9	3663	2/09/65
1441	9	3664	2/09/65
1442	9	3665	2/09/65

If you need additional information please feel free to contact me.

Very truly yours,

Randal E. Gregg  
Energy Resources Manager

REG/vab

enc: 1

9 5 1 2 3 8

CC PARTY

NATIONAL CHEM LAB TEST REPORT

06/29/88

121WA  
BENTON COUNTY PUD  
1500 SOUTH ELY STREET  
KENNEWICK, WA 99336  
Attn: GARY LONG

NATIONAL CHEM LAB  
P.O. BOX 635/ 103 12TH S.W.  
EPHRATA, WA 98823  
CHERYL DE BOER, Chemist

Invoice number: 5280

PO number: 15526

Below is a listing of the oil samples received on 06/22/88 together with the laboratory results on their respective PCB content. Please contact the lab at 509-754-5725 if you have any questions regarding these sample results.

UTILITY SERIAL NO.	COMPANY #	MISC.	AROCOR	PPM	NCL #
3654	1825		1260	62	137414
3655	1663		1260	18	137415
3656	7654			ND	137416
3657	9012			ND	137417
3658	9013			ND	137418
3659	7691			ND	137419
3660	1445		1254	1	137420
3661	1447		1254	1	137421
3662	1456		1260	1	137422
3663	1373		1260	9	137423
3663 X 3765	11439			ND	137424
3664	1441		1260	9	137425
3664 X 3766	11409			ND	137426
3665	1442		1260	9	137427
3665 X 3767	7488			ND	137428
3666	4745		1260	7	137429
3666 X 3768	7487			ND	137430
3667	4746		1260	8	137431
3667 X 3769	7486		1254	1	137432
3668 X 3770	4414		1260	1900	137433

Invoice number: 5280

Page 1

DUPLICATE ALPHAS 5

01 0 0 0

**DON'T SAY IT --- Write It!**

DATE: October 11, 1991

TO: File: 6652-P

FROM: L.M. Douglas

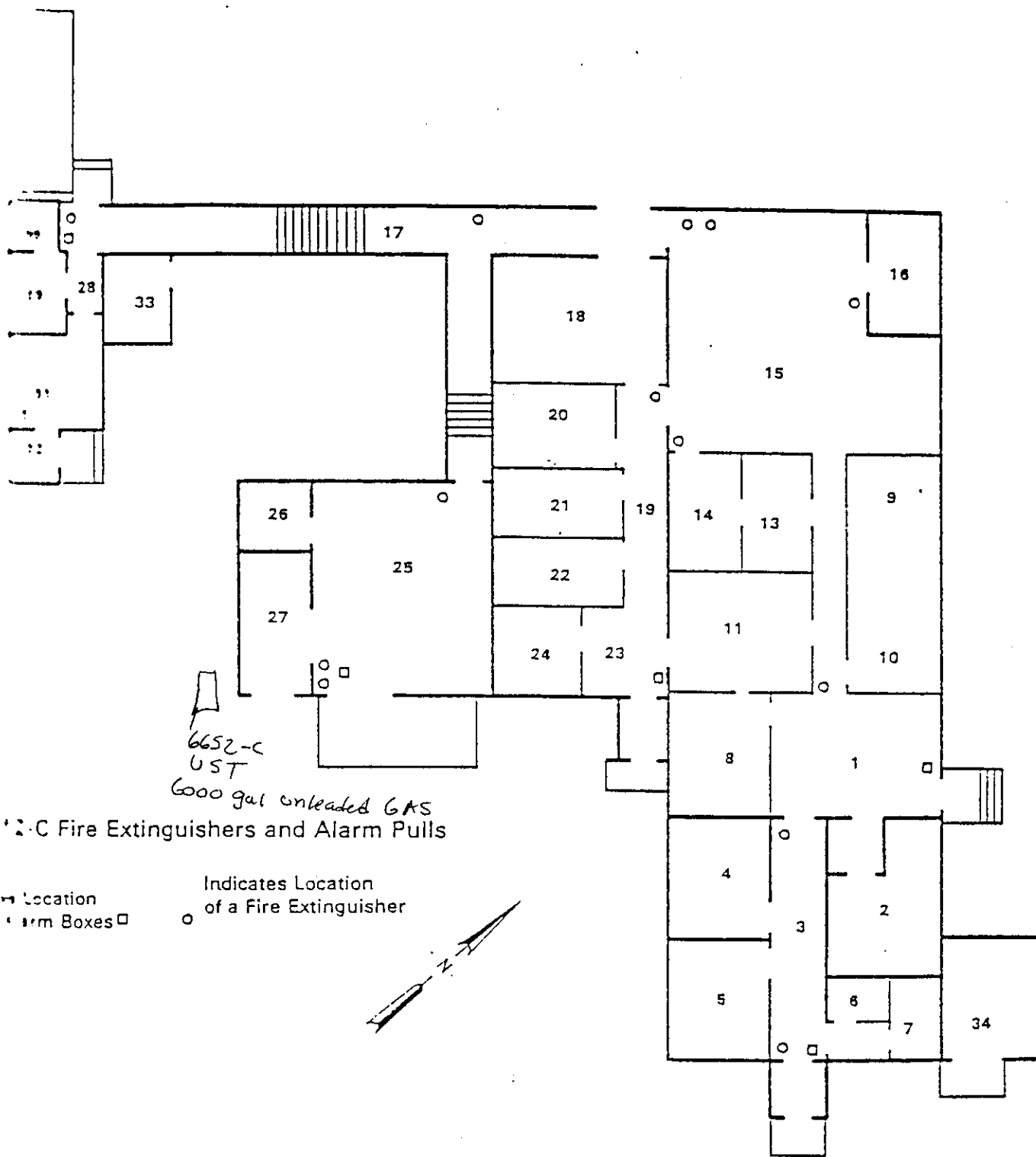
Telephone: 3-3380

cc: M.A. Mihalic

SUBJECT: Ownership of 6652-P

The 6652-P UST supplied diesel fuel to an emergency generator located inside the 6652-P building. The building was burned and has been vacant for a number of years. The tank was discovered July 25, 1989 during a site inspection and no one has/will claim responsibility for the tank. Therefore, the tank will be included in the Orphan UST Program.

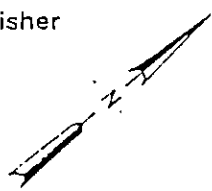
# EMERGENCY EVACUATION



6652-C  
UST  
6000 gal unleaded GAS

6652-C Fire Extinguishers and Alarm Pulls

Location Alarm Boxes □ Indicates Location of a Fire Extinguisher ○



6652-D



**Battelle**

Pacific Northwest Laboratories  
Battelle Boulevard  
P.O. Box 999  
Richland, Washington 99352  
Telephone (509) 376-0499

October 30, 1991

Mr. Mike Douglas, Engineer  
Engineering Decommissioning  
Westinghouse Hanford Company  
P.O. Box 1970, MSIN R2-77  
Richland, WA 99352

Dear Mr. Douglas:

TRANSMITTAL OF UPDATED INFORMATION FOR BATTELLE, PACIFIC NORTHWEST LABORATORY (PNL) UNDERGROUND STORAGE TANKS (UST)

Attached is a facsimile of a Washington State Underground Storage Tank Notification Form with information on two Department of Energy (DOE) tanks managed by PNL. The two tanks, 6652-C and 6652-G, are located on the Arid Lands Ecology (ALE) Reserve in the 600 Area. This information is being transmitted to Westinghouse Hanford Company (WHC) for inclusion in the Hanford UST database and possible reporting to the Washington Department of Ecology (WDOE).

The 6652-C tank data has been updated to reflect a more accurate date of installation. New PNL information shows that the tank was actually installed in 1958. All other data for the tank remains the same as it appeared on earlier notification forms to WDOE. Please report this new 6652-C information to WDOE as required by WAC 173-360-200(6) of the Washington State UST regulations.

Also, attached are copies of two drawings showing the general location of the recently discovered 6652-G tank. Drawing 1 is a site plan of the ALE complex in the 600 Area, and Map 2 is a simplified building layout of the 6652-G Building in the ALE complex. The approximate location of the 6652-G tank with respect to the 6652-G Building is shown on Drawing 2.

The existence of tank 6652-G was recently confirmed by ground penetrating radar. Drawings indicate the tank is a 2000-gallon heating oil tank formerly used for building heat. Because of its size and use, the tank must only comply with WAC 173-360-373, Reporting of Suspected Releases. No releases are currently known or suspected. The existence of the tank does not have to be reported to WDOE.

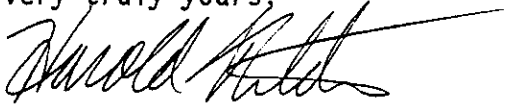




Mr. Mike Douglas  
October 30, 1991  
Page 2

Please incorporate this information into the Hanford UST database. If you have any questions or need more information, please contact B. J. Day, of my staff, on 376-3835.

Very truly yours,



H. T. Tilden, Manager  
Environmental Compliance Section

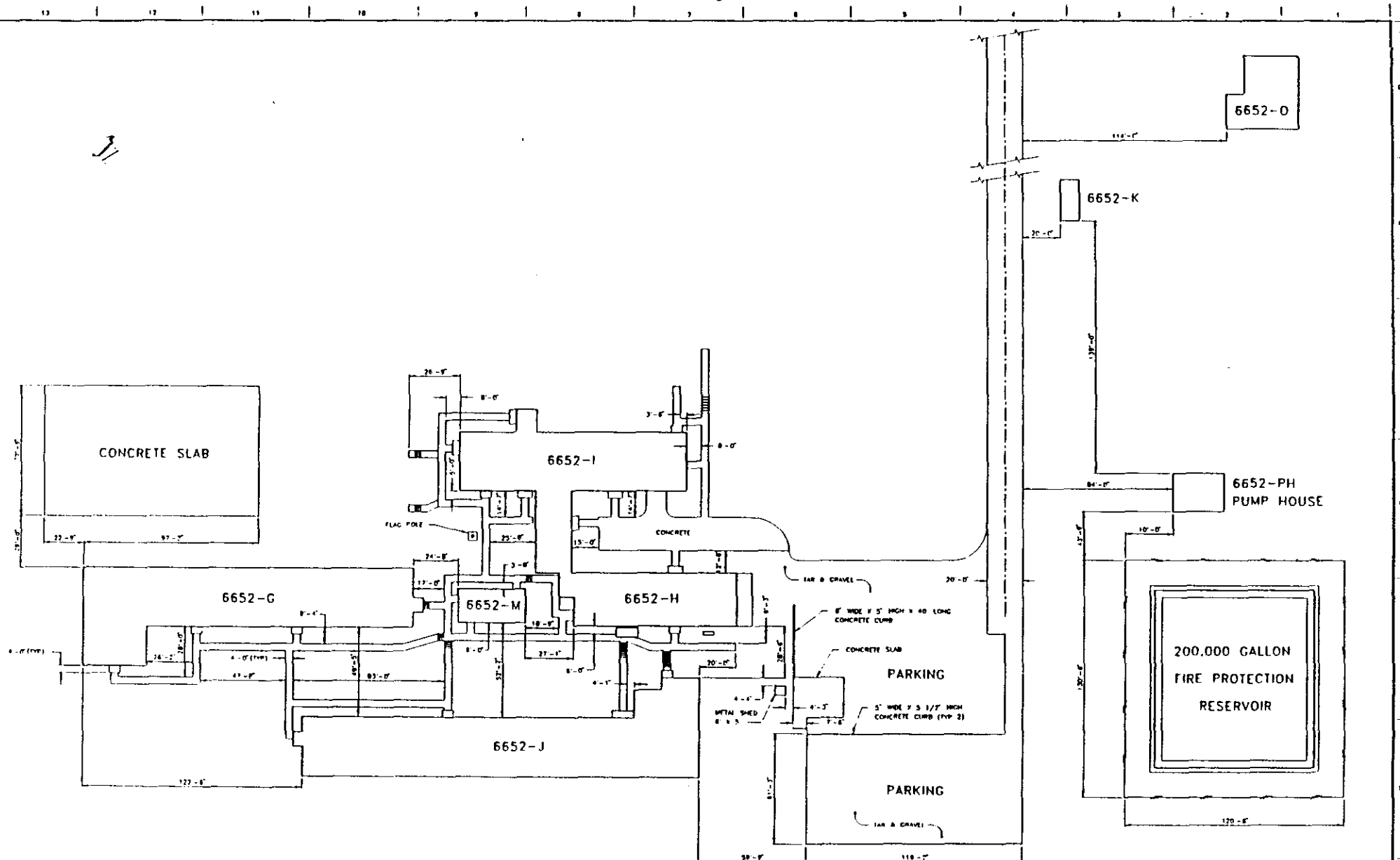
HTT/BJD:dmh  
UPDT6652.UST

Attachments

cc: J. R. Shadel, DOE-RL  
D. E. Trader, DOE-RL

93129351243

Drawing 1



## SITE PLAN

W-6-756	0	2100	ENRY.
W-6-671	2	3000	
W-6-647	2	0417	
W-6-535	0	0800	
W-6-531	0	0800	
W-6-530	0	0800	
W-6-529	0	0800	
W-6-528	1	0677	

DRAWINGS BY: W-6
(PRINTED) 100

**REFERENCE DRAWINGS**

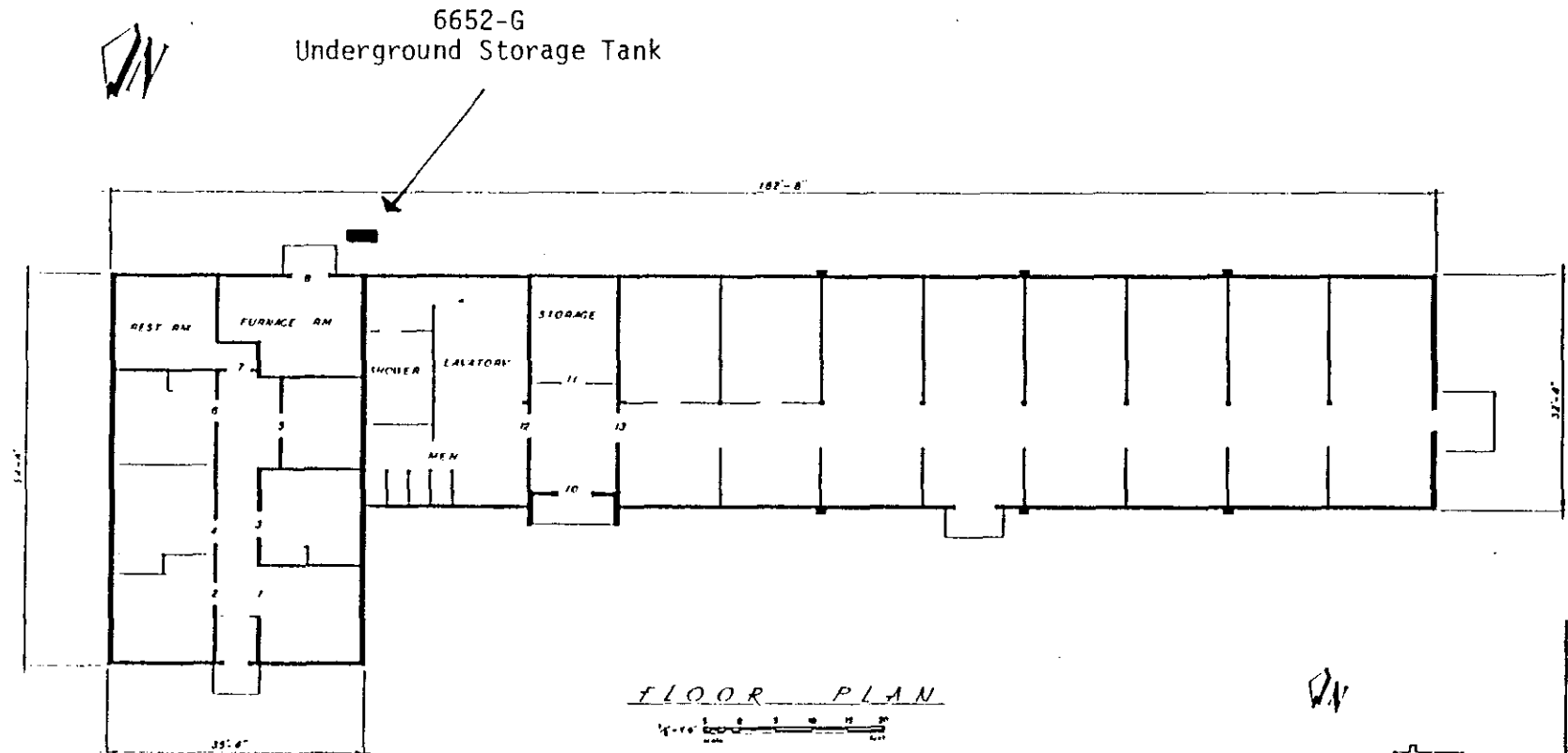
NEXT AFTER: W-6

TS	J-187	LJS	REMOVED FROM 901 AND P OF ORIGINAL ADDED 6057 - PM 1/18/80 RECLASSIFIED DUE TO CONTINUED.
			RECLASSIFIED
REVIEWS			
CAP CODE			CAP FILE

1	NAME	U. S. DEPARTMENT OF ENERGY
2	ADDRESS	ATOMIC ENERGY COMMISSION
3	CITY	PACIFIC NORTHWEST LABORATORY
4	STATE	OPERATED BY BATTELLE RESEARCH LABORATORY
5	COUNTY	
6	ZIP	
7	PHONE	
8	FAX	
9	ELECTRIC	
10	SALES	
11	MAIL	
12	OTHER	
13	REMARKS	
14	DATE	
15	BY	
16	FOR	
17	TO	
18	FROM	
19	DATE	
20	BY	
21	FOR	
22	TO	
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99	DATE	
100	BY	

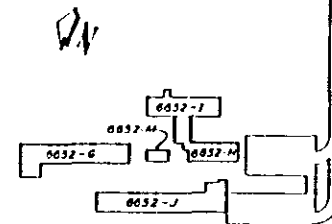
9 3 1 2 9 3 5 1 2 4 5

Drawing 2



FLOOR PLAN

1/4" = 10'



VICINITY PLAN

DRAWER #11

U.S. ATOMIC ENERGY COMMISSION RICHLAND OPERATIONS OFFICE PACIFIC NORTHWEST LABORATORY OPERATED BY BATTHELL MEMORIAL INSTITUTE	
<b>SIMPLIFIED BUILDING LAYOUT</b>	
BUILDING NO. 6652-G SHEET NO. 0800 DATE 10-1-60 DRAWN BY J. L. BROWN CHECKED BY J. L. BROWN APPROVED BY J. L. BROWN	AS BUILT OF 55 ADDITION TO VICINITY PLAN REMOVED TO LOCATE MORE 100 SQUARE FOOTAGE IN BUILT
REVISIONS 1. AS BUILT OF 55 2. ADDITION TO VICINITY PLAN 3. REMOVED TO LOCATE MORE 4. 100 SQUARE FOOTAGE 5. IN BUILT	NONE H-6-409 111



Pacific Northwest Laboratories

Project Number \_\_\_\_\_

Internal Distribution

Date September 10, 1991

To WJ Bjorklund

From ER Gerk *Ray*

Subject UNDERGROUND STORAGE TANKS. 6652-C. G&I BUILDINGS

BJ Day  
LR Eberhardt  
ME Olson  
MJ Pueschner  
RV Richardson  
RS Spencer  
File/LB

In your memo to Bob Richardson, dated June 18, 1991, you requested verification on the existence of three underground storage tanks on the Arid Lands Ecology Site.

In response to your request, I have enclosed copies of the KEH ground penetrating radar scans that were conducted to verify the location of tanks and piping you suspected at the 6652-G&I Buildings. One scan indicates that there is an underground storage tank outside the 6652-G Building, but the other scan was inconclusive for the 6652-I Building. The existence of the tanks can easily be verified by excavation since their locations, relative to the respective buildings, have been dimensioned on the radar scans.

Also enclosed is a copy of Design/Field Change No. B43540-1 and Radiation Survey Report No. 500909 that provide documentation that the underground storage tank outside the 6652-C Building was removed and sent to the Rockwell excess yard in 1984.

If PNL is responsible for the removal of these tanks, the Building Manager should initiate the necessary Engineering Request.

If you need additional information, please don't hesitate to call me at 376-1892.

ERG/kc  
3081

KAISER ENG' EERS  
HANFORD

FIELD SURVEY NOTE

Date 8-1-91  
File No. C00A-002

Title GRND SCAN @ 6652-G & 6652-I BLDGS.

Req. No. 91A-264

Crew WRAY SENH

Weather NA

Inst. SYS. B-

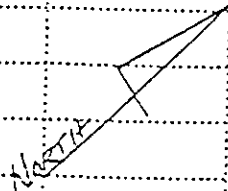
Temp. NA

Bar. NA

PPM NA

PERFORM GRND RADAR SCAN @ 6652-I BLDG TO LOCATE U.G. TANK

6652-I



±7'

CANNOT DETECT THIS LINE  
FURTHER

(IN LINE WITH  
BLDG. EDGE)

20±'

SUSPECTED TANK  
LOCATION -  
±5±7'

NOTE: SIGNALS SUGGEST  
TANK MAY HAVE ALREADY BEEN  
REMOVED. DATA LOOKS LIKE  
CHANGES IN SOIL DENSITY  
ONLY.

Title GRND SCAN @ 66524 & 6652-I BLOCS

Req. No. 914-244

Crew WRAY SENH

Weather NA

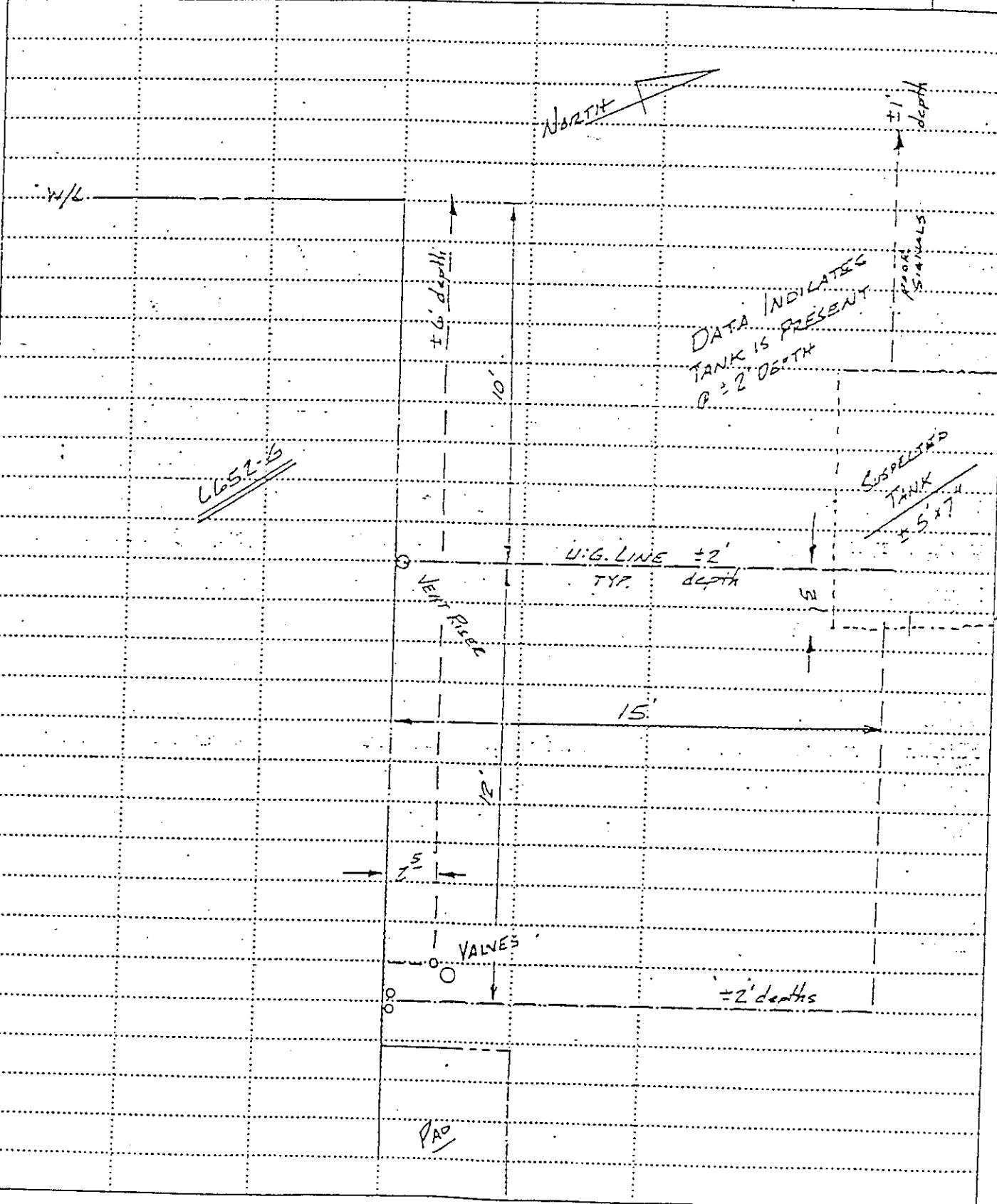
Inst. SYS, B -

Temp. NA

Bar. NA

PPM NA

PERFORM GRND. RADAR SCAN @ 6652-4 BLOC TO LOCATE U.G. TANK



(1) Classification

☐ Type I☐ Type II

DESIGN/FIELD CHANGE

(2) Number

B43540-1

(3) Project No.

B43540

(4) Project Title

Boiler Replacement, 6652-C Bldg.

(15) Final Approval Date

5-29-84

(5) Documents Affected

contract JAG-1661

(16) All Documents Revised By

(Name)

(Date)

(6) Description Of Change

1. Remove underground fuel tank & deliver to 1100 area.
2. Seal holes in mechanical room.
3. Remove & dispose of all asbestos in mech. room.
4. Clean, prep., & paint entire mech. room.
  - a. walls & ceiling - prime & paint with 2 coats of oil base semi-gloss enamel, -color Dutch Boy 166-A "cotton wick."
  - b. floor - etch, prime, paint - 2 coats oil base enamel - color "grey".
5. Install typical guard posts on north & west side of propane tank slab per Hartford Standard.
6. Install 50' of highway guard rail east of building as shown on attached sketch.

(14) Distribution

Hubert Sales  
Janice Quick  
Gregg Brower

(7) ~~Specification~~

7. Special Cond. page SC-10 para. SC-11, 4-(2), add - and NFPA 58, "Standard for the storage and handling of liquefied Petroleum Gases."

(8) Estimated Effect

A) Engineering Cost

\$ N/A

☐ Additional☐ Savings

B) Construction Cost

\$ 2000

☒ Additional☐ Savings

C) Schedule Impact

N/A

☐ Delay☐ Improvement

Remarks

(9) Initiator/Author

KM DeMania

(10) Phone

6-1233

(11) Organization(s)

PNL. Fac. Eng.

(12) Date

5-29-84

(13)

APPROVALS:

ARCHITECT ENGINEER

OPERATING CONTRACTOR

DEPARTMENT OF ENERGY

A) Design

C) QA

E)

G)

B) Safety

D) PE

F)

H)

(17A) Operating Contractor Use

B)

C)

D)

9 8 1 2 9 3 5 1 2 5 0



Pacific Northwest Laboratories

 RADIATION PROTECTION RECORDS  
 RADIATION SURVEY REPORT

Building <b>6652-C</b>	Location <b>East side of building</b>	Time <b>1400 to 1600</b>	Date <b>7-5-84</b>	Survey No. <b>500909</b>
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Description Of Job:

*Survey of equipment for release  
to Rockwell excess yard*

No.	Item Of Location Measurement	Corrected Dose Rates					Personal Dose Rate		Contamination Levels					
		Source		Beta	Gamma	Neutron	Whole Body	Extremities	Direct			Smears		
		Size	Dist.	mrad/hr.	mR/hr.	mrem/hr.			$\beta\gamma$ c/m	$\alpha$ d/m	$\alpha\beta$ d/m	$\beta\gamma$ c/m	$\alpha$ d/m	
1	2 fuel tanks with metal stairs											✓		
2	1 below ground fuel tank											✓		
3	1 boiler & boiler stand											✓		
4	related piping, valves etc.											✓		
5	- boiler stack											✓		

## Instrument Type

☒ GM P-11  
 ☐ GM 1B85  
 ☒ PAM  
 ☐ CP  
 ☐ BBCP  
 ☐ BWCP  
 ☐ TCP  
 ☐ Snoopy  
 ☐ Other

## Respiratory Protection Required

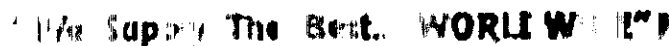
☐ Supplied Air  
☐ PAPR  
☐ Filter  
☒ None

Comments:

- all equipment found to be free of contamination
- none of the above equipment was used in radioactive work

Signature





## INFORMATION SYSTEM

## NOTES:

P-D-680A  
~~AB~~ FED-Spec  
DRY cleaning Solvent

०८२

7 Stoddard Solvent

6850-00-285-8011

FOR 1100 IU-1 Dry well Drum

★★★★★★★★RICHMOND, VIRGINIA